



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
070	SEE ECN 93-0041-1	3/31/93	PCV

DESIGNED FOR USE WITH .141 DIA SEMI-RIGID CABLE CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.144
CONTACT	.037

COMPONENT	MATERIAL	FINISH
INNER HOUSING BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
OUTER HOUSING SPRING WASHER	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
CONTACT SLEEVE	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
CONTACT RING SHIM	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	NICKEL PLATE PER QQ-N-290 OVER COPPER PLATE PER MIL-C-14550
SPRING WASHER	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	NICKEL PLATE PER QQ-N-290

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions DESC SPEC 85071	Temperature Rating -65° to +125°C
Frequency Range (GHz) DC to 22	Mating Characteristics:	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 500	Insertion (MAX Lbs) 3	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.02+.005f(GHz) DC to 18 GHz 1.02+.009f(GHz) 18 to 22 GHz	Withdrawal (MIN Oz) 1	Thermal Shock MIL-STD-202, Method 107, Condition B
Insertion Loss (dB MAX) .03x√f(GHz)	Force to Engage (In-Lbs MAX) 3 & Disengage (In-Lbs MAX) 1.5	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) (Interface Only, Fully Mated) -(90-f(GHz))	Center Contact Captivation Axial (Lbs) 6	Corrosion - MIL-STD-202, Method 101, Condition B, 5% Salt Spray
Corona, 70,000 Ft (VRMS MIN) 375	Cable Retention Axial Force (Lbs MIN) 60	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1500	Torque (In-Oz MIN) 55	
Contact Resistance (Milliohms MAX)	Weight (Grams) 5.4	
Center Contact 2.0		
Outer Contact 2.0		
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 1000		
I.R.(Megohms MIN) 5000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON	DRAWN BY PCV DATE 2-18-82	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	CHECKED BY G.A.L. 6-4-82	
	APPD BY R.M.F. 6-4-82	
These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.	USE ASS'Y PROCEDURE 408-08260 (45-002) NO. AP.	TITLE OSP FLOATING FLANGE MOUNT CABLE JACK - DIRECT SOLDER ATTACHMENT
	SIZE B	CODE IDENT NO. 26805
	SCALE 3:1	4506-7941-02
		REV 070
		SHEET 1 OF 1

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